

09-09-2003  
102544954

Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)  
Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 9.2.03  
Joseph F. Borchard  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)  
Name: Raytheon Company  
Internal Address: \_\_\_\_\_  
Office of the General Counsel  
\_\_\_\_\_  
Street Address: 141 Spring Street  
\_\_\_\_\_  
City: Lexington State: MA Zip: 02421  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_  
Execution Date: 07/28/2003

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: N/A  
A. Patent Application No.(s) 10/423,395  
filing date 04/25/2003  
B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Raytheon Company  
Internal Address: EO/E04/N119  
Intellectual Property & Licensing  
\_\_\_\_\_  
Street Address: 2000 East El Segundo Boulevard  
P O Box 902  
City: El Segundo State: CA Zip: 90245

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ 40.00  
☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:  
50-0616

DO NOT USE THIS SPACE

9. Signature.  
William C. Schubert (Reg. No. 30,102)  
Name of Person Signing  
[Signature]  
Signature  
August 28, 2003  
Date  
Total number of pages including cover sheet, attachments, and documents: 1

**ASSIGNMENT**

Page 1 of 2

Appln. No. 10/423,395 filed 04/25/2003

**Attorney Docket No. 03W023**

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a (an)

**MONOLITHIC LENS/REFLECTOR OPTICAL COMPONENT**

for which application for Letters Patent of the United States has been executed by me, or *(if the following is completed)* was filed on 04/25/2003 as Application No. 10/423,395 and

WHEREAS, RAYTHEON COMPANY (hereinafter referred to as RAYTHEON), a Delaware corporation, having its principal place of business in Lexington, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request the Director of the United States Patent and Trademark Office and all foreign countries to issue all such Letters Patent to said RAYTHEON, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON, its successors, assigns or other legal representatives.

Title: MONOLITHIC LENS/REFLECTOR OPTICAL COMPONENT

PAGE 2 OF 2  
Appln. No. 10/423,395 filed 04/25/2003  
Attorney Docket No. 03W023

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR <b>Joseph F. Borchard</b>	INVENTOR'S SIGNATURE <i>Joseph F. Borchard</i>	DATE SIGNED 7/28/03
RESIDENCE (CITY AND STATE) McKinney, Texas		INVENTION AGREEMENT DATE 3 March 1980

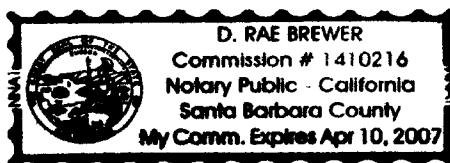
STATE OF TEXAS <sup>del</sup> California,  
COUNTY OF Santa Barbara ) SS:

On July 28, 2003, before me, D. Rae Brewer, a  
Notary Public in and for said State, personally appeared **JOSEPH F. BORCHARD**

☐ personally known to me or ☒ proved to me on the basis of satisfactory evidence to be  
the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to  
me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which  
the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public D. Rae Brewer



13650 CO FEB 96[RSC/0198]

**Raytheon Company**  
Intellectual Property & Licensing, Bldg. EO/E04/N119  
P. O. Box 902  
2000 East El Segundo Boulevard  
El Segundo CA 90245-0902  
Fax: (310) 647-2592